



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/964,385	09/28/2001	Mark Kirkpatrick	BS01-170	2337
28970	7590	03/08/2006	EXAMINER	
PILLSBURY WINTHROP SHAW PITTMAN LLP 1650 TYSONS BOULEVARD MCLEAN, VA 22102			RAMAKRISHNAIAH, MELUR	
			ART UNIT	PAPER NUMBER
			2643	

DATE MAILED: 03/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/964,385

**Applicant(s)**

KIRKPATRICK, MARK

**Examiner**

Melur Ramakrishnaiah

**Art Unit**

2643

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 10 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 1-25-05/7-21-05.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1-10-2006 has been entered.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-3, 5-10, 12-14, 16-19, and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stone et al. (5,767,778, hereinafter Stone in view of Sawada et al. (US PAT: 6,810,274, hereinafter Sawada and Suzuki et al. (US PAT: 6,556,665, hereinafter Suzuki).

Regarding claim 1, Stone discloses a battery assembly system for a cellular telephone (11, figure 3) comprising a first battery (12, figure 3) for providing power to the cellular telephone and having terminals for establishing an electrical connection with the cellular telephone, a first sound generating device (13, figure 3) attached to the first battery and comprising a memory (42, figure 4) for storing a first sound file, wherein the first sound generating device is triggered to play sound associated with the first sound

Art Unit: 2643

file when the first battery is installed in the cellular telephone upon receiving an electrical signal produced by the cellular telephone through the terminals; i.e., a specific power consumption pattern characteristic of an incoming call received, from the cellular phone (32, figure 4) at the current sensor (35, figure 4), upon detection of a telephone call by the cellular telephone (col. 2 lines 16-18 and col. 4 line 12 through col. 6 line 5). In addition, Stone also teaches the first sound file being downloaded from external available programming device (col. 7 lines 10-31). Stone differs from the claimed invention in not specifically teaching the first sound file being downloaded from a removable memory device attachable to the first battery and a second battery for providing power to cellular telephone and having a terminals for establishing an electrical connection with the cellular telephone such that a second sound generating device attached to the second battery and comprising memory for storing a second sound file downloaded from the removable memory device attachable to the second battery where the second sound file is different from the first sound files wherein the second sound generating device is triggered to play sound associated with the second sound file when the second battery is installed in the cellular telephone upon receiving an electrical signal produced by the cellular telephone through the terminals upon detection of the telephone call by the cellular telephone; to play sound associated with the first sound file/second sound file upon detection of an event other than an incoming telephone call. However, Sawada teaches a portable telephone apparatus having a portable telephone unit and a battery pack mounted thereto, wherein the battery pack includes an opening in which a semiconductor memory is removably inserted and a

Art Unit: 2643

memory controller for controlling the operation of reading data stored in the semiconductor memory inserted in the opening in' accordance with a control signal (col. 3 lines 28-53), wherein the portable telephone unit can be accessible to plural battery packs so that the portable telephone unit can freely choose and reproduce an audio signal without changing the semiconductor memory of the memory when user carries plural battery packs including plural sound files, thereby making user friendly (col. 5 line 62 through col. 6 line 7); Suzuki teaches to play sound associated with the first sound file/second sound file upon detection of an event other than an incoming telephone call (col. 1 lines 45-49, col. 2 lines 1-16, col. 4 lines 15-23). Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Stone: in having the first sound file being downloaded from a removable memory device attachable to the first battery and a second battery for providing power to the cellular telephone and having a terminals for establishing an electrical connection with the cellular telephone such that a second sound generating device attached to the second battery and comprising memory for storing a second sound file downloaded from the removable memory device attachable to the second battery where the second sound file is different from the first sound files wherein the second sound generating device is triggered to play sound associated with the second sound file when the second battery is installed in the cellular telephone upon receiving an electrical signal produced by the cellular telephone through the terminals upon detection of the telephone call by the cellular telephone, as per teaching of Sawada, in order to make user friendly; to play sound associated with the first sound file/second sound file upon

Art Unit: 2643

detection of an event other than an incoming telephone call as this arrangement would facilitate providing alert sounds for the user for other events as taught by Suzuki, thus facilitating additional function for portable/wireless telephone, thus enhancing user convenience.

Regarding claim 2, Stone teaches the sound files can be being designated as audio alert signals for the telephone (col. 2 lines 16-18) and Sawada teaches a plural sound generating devices storing a plurality of sound files where at least some of the plurality of sound files from one generating device are different than the plurality of sound files of the other (col. 6 lines 2-7). Thus, the claimed limitations are taught by the combination of Stone and Sawada.

Regarding claim 3, Stone teaches an external connector socket on the battery in electrical communication with the first sound generating device to provide external access to the plurality of sound files in the first sound generating device (col. 7 lines 21-23).

Regarding claim 5, Stone discloses a battery assembly system for a cellular telephone (11, figure 3) comprising a first battery (12, figure 3) for providing power to the cellular telephone and having terminals for establishing an electrical connection with the cellular telephone, a first sound generating device (13, figure 3) attached to the first battery and comprising a memory (42, figure 4) for storing a first sound file, wherein the first sound generating device is triggered to play sound associated with the first sound file when the first battery is installed in the cellular telephone upon receiving an electrical signal produced by the cellular telephone through the terminals, i.e., a specific

Art Unit: 2643

power consumption pattern characteristic of an incoming call received from the cellular phone (32, figure 4) at the current sensor (35, figure 4), upon detection of a telephone call by the cellular telephone (col. 2 lines 16-18 and col. 4 line 12 through col. 6 line 5). In addition, Stone also teaches the first sound file being downloaded from external available programming device comprising an external connector socket (43, figure 4) on the first battery in electrical communication with the first plurality of sound files in the first sound generating device and a selector (41, figure 4) on the first battery for designating a sound files from the first plurality of sound files to use as an audio alert signal (col. 6 line 47 through col. 7 line 31). Stone differs from the claimed invention in not specifically teaching the first sound file being downloaded from a removable memory device attachable to the first battery and a second battery for providing power to the cellular telephone and having terminals for establishing an electrical connection with the cellular telephone such that a second sound generating device attached to the second battery and comprising memory for storing a second sound file downloaded from the removable memory device attachable to the second battery where the second sound file is different from the first sound files wherein the second sound generating device is triggered to play sound associated with the second sound file when the second battery is installed in the cellular telephone upon receiving an electrical signal produced by the cellular telephone through the terminals upon detection of the telephone call by the cellular telephone; to play first sound file/second sound file upon detection of an event at the cellular telephone other than an incoming call. However, Sawada teaches a portable. telephone apparatus having a portable telephone unit and

Art Unit: 2643

a battery pack mounted thereto, wherein the battery pack includes an opening in which a semiconductor memory is removably inserted and a memory controller for controlling the operation of reading data stored in the semiconductor memory inserted in the opening in accordance with a control signal (col. 3 lines 28-53), wherein the portable telephone unit can be accessible to plural battery packs so that the portable telephone unit can freely choose and reproduce an audio signal without changing the semiconductor memory of the memory when user carries plural battery packs including plural sound files, thereby making user friendly (col. 5 line 62 through col. 6 line 7); Suzuki teaches to play first sound file/second sound file upon detection of an event at the cellular telephone other than an incoming call (col. 1 lines 45-49, col. 2 lines 1-16, col. 4 lines 15-23). Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Stone: in having the first sound file being downloaded from a removable memory device attachable to the first battery and a second battery for providing power to the cellular telephone and having terminals for establishing an electrical connection with the cellular telephone such that a second sound generating device attached to the second battery and comprising memory for storing a second sound file downloaded from the removable memory device attachable to the second battery where the second sound file is different from the first sound files wherein the second sound generating device is triggered to play sound associated with the second sound file when the second battery is installed in the cellular telephone upon receiving an electrical signal produced by the cellular telephone through the terminals upon detection of the telephone call by the cellular telephone, as per teaching of

Art Unit: 2643

Sawada, in order to make user friendly; to play first sound file/second sound file upon detection of an event at the cellular telephone other than an incoming call as this arrangement would facilitate providing alert sounds for the user for other events as taught by Suzuki, thus facilitating additional function for portable/wireless telephone, thus enhancing user convenience.

Regarding claim 6, the limitations of the claim are rejected as the same reasons as set forth in claim 5.

Regarding claim 7, the limitations of the claim are rejected as the same reasons as set forth in claim 1.

Regarding claim 8, Stone teaches the first sound generating device storing a plurality of sound files that are capable of being edit (col. 7 lines 10-31).

Regarding claims 9-10, the limitations of the claim are rejected as the same reasons as set forth in claim 3.

Regarding claim 12, the limitations of the claim are rejected as the same reasons as set forth in claim 1.

Regarding claims 13-14, the limitations of the claim are rejected as the same reasons as set forth in claim 3.

Regarding claim 16, the limitations of the claim are rejected as the same reasons as set forth in claim 1.

Regarding claims 17-19, the limitations of the claim are rejected as the same reasons as set forth in claim 5. In addition, Sawada discloses to insert the memory

Art Unit: 2643

device (3, figure 2) into the memory device receive slot (5, figure 2) of the battery pack (col. 3 lines 16-27).

Regarding claim 21, Stone discloses a method of providing an audio alert signal for a cellular telephone (32, figure 4) comprising the steps of providing a first battery (30, figure 4) having terminals for receiving a signal from the cellular telephone, the first battery including a first programmable sound generating device having at least one file, and installing the first battery in the cellular telephone such that a sound file of the first sound generating device is activated upon receiving an electrical signal produced by the cellular telephone through the terminals of the first battery upon detection of a telephone call by the cellular telephone when desiring to hear the at least one file of the first sound generating device (col. 6 line 47 through col. 7 line 31). Stone differs from the claimed invention in not specifically teaching the step of providing a second battery for the cellular telephone and having terminals for receiving a signal from the cellular telephone, in which the second battery includes a second programmable sound generating device having at least one sound file different from the at least one sound file of the first programmable sound generating device, and installing the second battery in the cellular telephone such that the sound file of a sound file of the second sound generating device is activated upon receiving an electrical signal produced by the cellular telephone through the terminals of the second battery upon detecting of a telephone call by the cellular telephone when desiring to hear at least one sound file of the second sound generating device; activating the sound file of the sound generating device upon detection of an event other than telephone call by the cellular telephone.

Art Unit: 2643

However, Sawada teaches a portable telephone apparatus having a portable telephone unit and a battery pack mounted thereto, wherein the battery pack includes an opening in which a semiconductor memory is removably inserted and a memory controller for controlling the operation of reading data stored in the semiconductor memory inserted in the opening in accordance with a control signal (col. 3 lines 28-53), wherein the portable telephone unit can be accessible to plural battery packs so that the portable telephone unit can freely choose and reproduce an audio signal without changing the semiconductor memory of the memory when user carries plural battery packs including plural sound files, thereby making user friendly (col. 5 line 62 through col. 6 line 7); Suzuki teaches activating the sound file of the sound generating device upon detection of an event other than telephone call by the cellular telephone (col. 1 lines 45-49, col. 2 lines 1-16, col. 4 lines 15-23). Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Stone: in having the step of providing a second battery for the cellular telephone and having terminals for receiving a signal from the cellular telephone, in which the second battery includes a second programmable sound generating device having at least one sound file different from the at least one sound file of the first programmable sound generating device, and installing the second battery in the cellular telephone such that the sound file of a sound file of the second sound generating device is activated upon receiving an electrical signal produced by the cellular telephone through the terminals of the second battery upon detecting of a telephone call by the cellular telephone when desiring to hear at least one sound file of the second sound generating device, as per teaching of Sawada,

Art Unit: 2643

in order to make user friendly; activating the sound file of the sound generating device upon detection of an event other than telephone call by the cellular telephone as this arrangement would facilitate providing alert sounds for the user for other events as taught by Suzuki, thus facilitating additional function for portable/wireless telephone, thus enhancing user convenience.

4. Claims 4, 11, 15 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stone in view of Sawada and Suzuki as applied to claims above, and further in view of Haraguchi (US PAT: 6,597,279).

Regarding claim 4, Stone teaches a selector device on the shell for selecting plurality of sound tiles and designating a sound file to use as an alert signal (col. 5 lines 10-25 and col. 7 lines 16-20). The combination of Stone, Sawada and Suzuki differs from the claimed invention in not specifically teaching a user interface for scrolling through the plurality of sound files and designating a sound file to use as an audio alert signal. However, Haraguchi teaches a simplified method for setting an incoming tone to be output from a speaker when a signal is received by an operation comprising a jog dial for scrolling through the plurality of sound files and designating a sound file to use as an audio alert signal (col. 5 lines 16 through col. 6 line 34) in order to simplify the operation of setting the incoming tone. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the combination

of Stone and Sawada in having the user interface for scrolling through the plurality of sound files and designating a sound file to use as an audio alert signal, as per teaching

Art Unit: 2643

of Haraguchi, because it makes user friendly by simplifying the operation of setting the incoming tone.

Regarding claim 11, the limitations of the claim are rejected as the same reasons as set forth in claim 4.

Regarding claim 15, the limitations of the claim are rejected as the same reasons as set forth in claim 4.

Regarding claim 20, Stone discloses a method of selecting a designated audio alert signal on a cellular telephone (11, figure 3) comprising the step of providing a first battery (12, figure 3) for the cellular telephone and having terminals for receiving a signal from the cellular telephone, the first battery including a first programmable sound generating device (31, figure 4) and a selector (41, figure 4) located on an outside surface, wherein the first sound generating device comprising a memory (42, figure 4) for storing a plurality of sound files, wherein the first sound generating device is triggered to play sound associated with the first sound file when the first battery is installed in the cellular telephone upon detection of a telephone call by the cellular telephone (col. 2 lines 16-18 and col. 4 line 12 through col. 6 line 5). In addition, Stone also teaches the first sound file being downloaded from external available programming device (col. 7 lines 10-31). Stone differs from the claimed invention in not specifically teaching the first sound file being downloaded from a removable memory device connectable to the first battery and providing a second battery including memory for storing a second sound file downloaded from

Art Unit: 2643

the removable memory device connectable to the second battery, wherein selecting a selected sound from the first and second plurality of sound files by installing the first battery into the cellular telephone when desiring to hear the selected sound from the first plurality of sound files during cellular telephone operation and installing the second battery into the cellular telephone when desiring to hear the selected sound from the second plurality of sound files during cellular when desiring to hear the selected sound from the second plurality of sound files during cellular telephone operation; activating the sound file of the sound generating device upon detection of an event other than telephone call by the cellular telephone. However, Sawada teaches a portable telephone apparatus having a portable telephone unit and a battery pack mounted thereto, wherein the battery pack includes an opening in which a semiconductor memory is removably inserted and a memory controller for controlling the operation of reading data stored in the semiconductor memory inserted in the opening in accordance with a control signal (col. 3 lines 28-53), wherein the portable telephone unit can be accessible to plural battery packs so that the portable telephone unit can freely choose and reproduce an audio signal without changing the semiconductor memory of the memory when user carries plural battery packs including plural sound files, thereby making user friendly (col. 5 line 62 through col. 6 line 7); Suzuki teaches activating the sound file of the sound generating device upon detection of an event other than telephone call by the cellular telephone (col. 1 lines 45-49, col. 2 lines 1-16, col. 4 lines 15-23). Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Stone: in having the first sound file being

Art Unit: 2643

downloaded from a removable memory device connectable to the first battery and providing a second battery including memory for storing a second sound file downloaded from the removable memory device connectable to the second battery, wherein selecting a selected sound from the first and second plurality of sound files by installing the first battery into the cellular telephone when desiring to hear the selected sound from the first plurality of sound files during cellular telephone operation and installing the second battery into the cellular telephone when desiring to hear the selected sound from the second plurality of sound files during cellular telephone operation, as per teaching of Sawada, in order to make user friendly; activating the sound file of the sound generating device upon detection of an event other than telephone call by the cellular telephone as this arrangement would facilitate providing alert sounds for the user for other events as taught by Suzuki, thus facilitating additional function for portable/wireless telephone, thus enhancing user convenience.

Furthermore, neither Stone nor Sawada, nor Suzuki specifically teaching a user interface for scrolling through the plurality of sound files and designating a sound file to use as an audio alert signal. However, Haraguchi teaches a simplified method for setting an incoming tone to be output from a speaker when a signal is received by an operation comprising a jog dial for scrolling through the plurality of sound files and designating a sound file to use as an audio alert signal (col. 5 lines 16 through col. 6 line 34) in order to simplify the operation of setting the incoming tone. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the combination of Stone, Sawada and Suzuki in having the user

Art Unit: 2643

interface for scrolling through the plurality of sound files and designating a sound file to use as an audio alert signal, as per teaching of Haraguchi, because it makes user friendly by simplifying the operation of setting the incoming tone.


***Response to Arguments***

5. Applicant's arguments with respect to claims 1-21 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melur Ramakrishnaiah whose telephone number is (571)272-8098. The examiner can normally be reached on 9 Hr schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curt Kuntz can be reached on (571) 272-7499. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Melur Ramakrishnaiah  
Primary Examiner  
Art Unit 2643